Visual Schema for JSON files submitted to the Flare Scoreboard

NOTE: naming convention for files submitted:

ModelShortName.PredictionWindowStartTime.IssueTime.json

| forece | | | JSON key | Туре | Boundaries | Description |
|--------|--------------|--------------------|---|--|---|--|
| | ast_sul | hmissi | | Туре | required | Description |
| .5.66 | mode | | on | | required | |
| | mode | | | + | required | Model information Short name (e.g. acronym) of model to appear on scoreboard. Conside |
| | | short | name | string | required | including version number with acronym, if distinction needed. 16 character limit. |
| | | | | | · | Link to URL of full model description metadata in CCMC metadata |
| | | spase _. | _id | string | required | registry in SPASE format (contact CCMC to register your model). Forecast issue time (e.g. model run is complete and forecast file is |
| | issue_ | time | | datetime* | required | created) |
| | | | | | | allowed values: forecast, historical, nowcast, |
| | mode | | | string | required | simulated_realtime_forecast |
| | inputs | | oto quo vo | + | > 1 allowed, optional | Provide if key model inputs are not represented in the triggers field |
| | | magn | etogram | akudu a | > 1 allowed, optional | Provide if a magnetogram was used to produce your forecast |
| | | | observatory | string | required, if magnetogram used | Name of observatory/spacecraft data are from |
| | | | instrument | string | required, if magnetogram used | Name of instrument data are from |
| | | | products | abulu a | optional | |
| | | | product | string | > 1 allowed, optional | Name of data product used |
| | | | last_data_time | datetime* | required, if products used, > 1 allower | Last time data timestamp available at the time of forecast >1 allowed such that forecasts for mulitple prediction windows can be |
| | full_d | isk_fo | recasts | array | >= 1 allowed, optional | submitted together |
| | | predic | tion_window | | required | all forecast values provided are relevant only in this prediction window |
| | | | start_time | datetime* | required | start of forecast prediction window |
| | | | end_time | datetime* | required | end of forecast prediction window |
| | | CI. | 1 1 200 | | | Include all classes that the model can forecast, with no duplicates for a |
| | | flare_ | probabilities | array | >= 1 allowed, at least 1 required | single prediciton window |
| | | | class | string | required | C, C+, M, M+, X |
| | | | probability | float | required | (range 0 to 1) |
| | | | uncertainty | float | optional | (range 0 to 1) |
| | | | uncertainty_low | float | optional | (range 0 to 1) |
| | $oxed{oxed}$ | | uncertainty_high | float | optional | (range 0 to 1) |
| | $_{\perp}$ | cme i | probabilities | | >= 1 allowed, optional | CME forecast for each active region |
| | | | | | | What is your CME probability forecast based on? Options: "cme", |
| | | | | | | "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your |
| | \sqcup | | based_on | string | required, if cme_probabilities used | probability forecast is for a CME erupting based on a flare forecast only |
| | | | probability | float | required, if cme_probabilities used | probability that a CME will erupt from this region. (range 0 to 1) |
| | $oxed{L}$ | | uncertainty | float | optional | (range 0 to 1) |
| | | | uncertainty_low | float | optional | (range 0 to 1) |
| | | | uncertainty high | float | optional | (range 0 to 1) |
| | \vdash | | · · · · · · · · · · · · · · · · · · · | 1 | | forecast min CME speed in km/s (if a CME were to erupt from this |
| | | | speed_min | float | optional | region) |
| | | | speed max | float | optional | forecast CME max speed in km/s (if a CME were to erupt from this |
| | | | specu_max | Hout | Ориона | region) Full disk SEP forecast. Each sep_probabilities array item is for one |
| | | con n | robabilities | | optional, >= 1 allowed | energy channel. The assumption is that this is a proton forecast at Earth location. |
| | | эср_р | energy channel | + | required, if sep_probabilities used | |
| | | | min | float | required, if sep_probabilities used | Energy channel for the SEP probability forecast |
| | | | | | | min of energy channel range in MeV max of energy channel range in MeV1 represents an unbounded |
| | | | max | float | required, if sep_probabilities used | integral channel |
| | | | probability | float | required, if sep_probabilities used | probability that the SEP intensity in the specified energy channel will exceed the specified threshold (range 0 to 1) |
| | | | uncertainty | float | optional | (range 0 to 1) |
| | | | uncertainty low | float | optional | (range 0 to 1) |
| | | | uncertainty high | float | optional | (range 0 to 1) |
| | | | , = - | | · | the SEP probability forecast is for the particle intensity to exceed this |
| | | | threshold | float | required, if sep_probabilities used | threshold value (e.g. 10 pfu) |
| | | | threshold_units | string** | required, if sep_probabilities used | units of threshold >=1 allowed such that forecasts for mulitple prediction windows can be |
| | | | | 0 44001 | antional > 1 allowed | submitted together. Each region_forecasts array item is 1 region |
| | region | _fore | | array | optional, >= 1 allowed | forecast per active region/prediction window |
| | | predic | tion_window | | required | all forecast values provided are relevant only in this prediction window |
| | | | start_time | datetime* | required | start of forecast prediction window |
| | | | end_time | datetime* | required | end of forecast prediction window |
| | | regior | n_ids | array | > 1 allowed, at least 1 required | all ids in this array refer to the same active region |
| | | | | | required | NOAA, SHARP, HARP, Catania, model_region, other |
| | | | type | string | | |
| | | | type number | integer | required | use full region ID (ie 5 digits for NOAA) |
| | | | | 1 - | required maybe required | |
| | | | number | integer | <u>'</u> | use full region ID (ie 5 digits for NOAA) |
| | | | number time | integer datetime* | maybe required | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) |
| | | flare | number time longitude latitude | integer datetime* integer integer | maybe required maybe required maybe required | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a |
| | | flare_ | number time longitude latitude probabilities | integer datetime* integer integer array | maybe required maybe required maybe required > 1 allowed, at least 1 required | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediciton window |
| | | flare_ | number time longitude latitude probabilities class | integer datetime* integer integer array string | maybe required maybe required maybe required > 1 allowed, at least 1 required required | use full region ID (ie 5 digits for NOAA) required if using "tother" as type required if using "tother" as type (range from -180 to +180) required if using "tother" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X |
| | | flare_ | number time longitude latitude probabilities class probability | integer datetime* integer integer array string float | maybe required maybe required maybe required > 1 allowed, at least 1 required required required | use full region ID (te 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) |
| | | flare_ | number time longitude latitude probabilities class probability uncertainty | integer datetime* integer integer array string float float | maybe required maybe required maybe required > 1 allowed, at least 1 required required required optional | use full region ID (te 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) |
| | | flare_ | number time longitude latitude probabilities class probability uncertainty uncertainty_low | integer datetime* integer integer array string float float float | maybe required maybe required maybe required > 1 allowed, at least 1 required required required optional optional | use full region ID (te 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high | integer datetime* integer integer array string float float | maybe required maybe required maybe required > 1 allowed, at least 1 required required required optional optional | use full region ID (te 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low | integer datetime* integer integer array string float float float | maybe required maybe required maybe required > 1 allowed, at least 1 required required required optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high | integer datetime* integer integer array string float float float | maybe required maybe required maybe required > 1 allowed, at least 1 required required required optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (ME forecast for each active region What is your CME probability forecast based on? Options: "cme", |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high | integer datetime* integer integer array string float float float | maybe required maybe required maybe required > 1 allowed, at least 1 required required required optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) CME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "crueff afame" if your |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high | integer datetime* integer integer array string float float float | maybe required maybe required maybe required > 1 allowed, at least 1 required required required optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast on har forecast on a flare forecast on the control of the control |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on | integer datetime* integer integer array string float float float string | maybe required maybe required maybe required > 1 allowed, at least 1 required required required optional optional optional >= 1 allowed, optional required, if cme_probabilities used | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (Compared to 1) (Compared to 2) (Compared to 2) (Compared to 3) (Compared to 4) (Compared to |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability | integer datetime* integer integer array string float float float string float float float | maybe required maybe required maybe required > 1 allowed, at least 1 required required optional optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (Cange 0 to 1) CME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty | integer datetime* integer integer array string float float float string float float float float float float float | maybe required maybe required > 1 allowed, at least 1 required required optional optional optional >= 1 allowed, optional required, if cme_probabilities used optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) CME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) (range 0 to 1) |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty | integer datetime* integer integer array string float float float string float float float float float float float float float | maybe required maybe required > 1 allowed, at least 1 required required required optional optional >= 1 allowed, optional = required, if cme_probabilities used optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (Cange 0 to 1) CME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty | integer datetime* integer integer array string float float float string float float float float float float float | maybe required maybe required > 1 allowed, at least 1 required required optional optional optional >= 1 allowed, optional required, if cme_probabilities used optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) CME forecast for each active region What is your CME probability forecast based on? Options: "cme", "reuptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) (range 0 to 1) (range 0 to 1) |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty | integer datetime* integer integer array string float float float string float float float float float float float float float | maybe required maybe required > 1 allowed, at least 1 required required required optional optional >= 1 allowed, optional = required, if cme_probabilities used optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (Compare to |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_low uncertainty_low uncertainty_high speed_min | integer datetime* integer integer array string float | maybe required maybe required maybe required > 1 allowed, at least 1 required required optional optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional optional optional optional optional optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) forecast min CME speed in km/s (if a CME were to erupt from this region) |
| | | | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty | integer datetime* integer integer array string float | maybe required maybe required maybe required > 1 allowed, at least 1 required required optional optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (frange 0 to 1) CME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability treast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_low uncertainty_high speed_min speed_max | integer datetime* integer integer array string float | maybe required maybe required maybe required > 1 allowed, at least 1 required required optional optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (frange 0 to 1) CME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability treast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region, (range 0 to 1) |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_low uncertainty_high speed_min speed_max robabilities | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional optional > 1 allowed, optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) CME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_low uncertainty_high speed_min speed_max | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required required optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional required, if sep_probabilities used | use full region ID (ie 5 digits for NOAA) required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) ((range 0 to 1) (ME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "eme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast on (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_low uncertainty_high speed_min speed_max robabilities | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional optional > 1 allowed, optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (Compare to 1) (Compare to 2) (Compare to 2) (Compare to 3) (Compare to 4) (Compare to 5) (Compare to 6) (Compare to 6) (Compare to 7) (Compare to |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_high speed_min speed_max robabilities energy_channel min | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional >= 1 allowed, optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) ((range 0 to 1) ((range 0 to 1) CME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast onl (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) (range 0 to 1) (range 0 to 1) forecast min CME speed in km/s (if a CME were to erupt from this region) SEP forecast for each active region. Each sep_probabilities array item i for one energy channel. Assuming this is a proton forecast at Earth location. Energy channel for the SEP probability forecast min of energy channel range in MeV- 1 represented an unbounded |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_high speed_min speed_max robabilities energy_channel min max | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional >= 1 allowed, optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) (what is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast on (eruptive flare). probability forecast is for a CME erupting based on a flare forecast on (eruptive flare). I (range 0 to 1) (range 1 to 1) (range 0 to 1) |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_high speed_min speed_max robabilities energy_channel min | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional >= 1 allowed, optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) (which is a single prediction of the control of the contr |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_high speed_min speed_max robabilities energy_channel min max | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional >= 1 allowed, optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "curble flare" if your probability forecast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region) (range 0 to 1) |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_high speed_min speed_max robabilities energy_channel min max probability | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional >= 1 allowed, optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) (ME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "reme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast onl (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) (range 0 to 1) forecast min CME speed in km/s (if a CME were to erupt from this region) SEP forecast CME max speed in km/s (if a CME were to erupt from this region) SEP forecast for each active region. Each sep_probabilities array item is for one energy channel. Assuming this is a proton forecast at Earth location. Energy channel for the SEP probability forecast min of energy channel range in MeV-1 represented an unbounded integral channel wax of energy channel range in MeV-1 represented an unbounded integral channel wax of energy channel range in MeV-1 represented an unbounded integral channel |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty uncertainty_low uncertainty_high speed_min speed_max robabilities energy_channel min max probability uncertainty uncertainty | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional optional >= 1 allowed, optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) (ME forecast for each active region What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "reme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast onl (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) (range 0 to 1) forecast min CME speed in km/s (if a CME were to erupt from this region) SEP forecast GME max speed in km/s (if a CME were to erupt from this region) SEP forecast for each active region. Each sep_probabilities array item is for one energy channel. Assuming this is a proton forecast at Earth location. Energy channel for the SEP probability forecast min of energy channel range in MeV - 1 represented an unbounded integral channel was of energy channel range in MeV - 1 represented an unbounded integral channel crange 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty uncertainty uncertainty low uncertainty uncertainty uncertainty uncertainty_high speed_min speed_max robabilities energy_channel min max probability uncertainty uncertainty uncertainty uncertainty | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional > 1 allowed, optional required, if sep_probabilities used optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) What is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "reme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" is your probability forecast is for a CME erupting based on a flare forecast online (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) (range 0 to 1) forecast min CME speed in km/s (if a CME were to erupt from this region) forecast CME max speed in km/s (if a CME were to erupt from this region) SEP forecast for each active region. Each sep_probabilities array item is for one energy channel. Assuming this is a proton forecast at Earth location. Energy channel for the SEP probability forecast int of energy channel range in MeV1 represented an unbounded integral channel probability that the SEP intensity in the specified energy channel will exceed the specified threshold, for this region. (range 0 to 1) (range 0 to 1) (range 0 to 1) |
| | | cme_; | number time longitude latitude probabilities class probability uncertainty uncertainty_low uncertainty_high probabilities based_on probability uncertainty uncertainty_low uncertainty_low uncertainty_low uncertainty_low uncertainty_low uncertainty_low uncertainty_high speed_min speed_max robabilities energy_channel min max probability uncertainty uncertainty uncertainty | integer datetime* integer integer array string float | maybe required maybe required > 1 allowed, at least 1 required required optional optional >= 1 allowed, optional >= 1 allowed, optional required, if cme_probabilities used required, if cme_probabilities used optional pequired, if sep_probabilities used required, if sep_probabilities used optional optional | use full region ID (ie 5 digits for NOAA) required if using "other" as type required if using "other" as type (range from -180 to +180) required if using "other" as type (range from -90 to +90) Include all classes that the model can forecast, with no duplicates for a single prediction window C, C+, M, M+, X (range 0 to 1) (what is your CME probability forecast based on? Options: "cme", "eruptive flare". Use "cme" if your probability forecast is for a CME erupting with or without a flare. Use "eruptive flare" if your probability forecast is for a CME erupting based on a flare forecast only (eruptive flare). probability that a CME will erupt from this region. (range 0 to 1) (range 0 to 1) SEP forecast CME max speed in km/s (if a CME were to erupt from this region) SEP forecast for each active region. Each sep_probabilities array item is for one energy channel. Assuming this is a proton forecast at Earth location. Energy channel for the SEP probability forecast min of energy channel range in MeV1 represented an unbounded integral channel probability that the SEP intensity in the specified energy channel will exceed the specified threshold, for this region. (range 0 to 1) (range 0 to 1) (range 0 to 1) (range 0 to 1) |

^{*}datetime expected in UTC and in the format(s):"YYYY-MM-DDTHH:MM:SSZ"

**units string format: Example: "MeV^-1*s^-1*cm^-2*sr^-1". Another example: "pfu" where 1 pfu = 1 s^-1*cm^-2*sr^-1

JSON filename guideline: ModelShortName.PredictionWindowStartTime.IssueTime.json